AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend claims 6, 11, 17, 24 and 25 as follows:

LISTING OF CLAIMS:

Claims 1-5 (Canceled)

6. (Currently Amended) An image pick-up device comprising:

a sensor which picks up an image through a lens;

a setting unit which sets chromatic aberration factors based on the image data picked up from a predetermined pattern, wherein said predetermined pattern ~~corresponds to pixel pitch~~ is a ladder pattern of vertical lines, each one of which is present for every n pixels of said sensor, wherein $1 \leq n \leq M/2$ is satisfied for n when M is the total pixel number of said sensor; and

a correction unit which corrects image data picked up from an original image by using the chromatic aberration factors set by the setting unit.

7. (Previously Presented) An image pick-up device as claimed in claim 6, wherein the predetermined pattern is formed on a chromatic aberration board.

8. (Previously Presented) An image pick-up device as claimed in claim 7, wherein the chromatic aberration board is fixed in an area near a document platen.

9. (Previously Presented) An image pick-up device as claimed in claim 6, wherein the predetermined pattern is a ladder pattern.

10. (Previously Presented) An image pick-up device as claimed in claim 6, wherein the chromatic aberration factors are set for each color component.

11. (Currently Amended) An image pick-up device comprising:

a sensor which picks up an image through a lens;

a pattern image with a predetermined pattern, wherein said predetermined pattern ~~corresponds to a pixel pitch~~ is a ladder pattern of vertical lines, each one of which is present for every n pixels of said sensor, wherein $1 \leq n \leq M/2$ is satisfied for n when M is the total pixel number of said sensor;

a calculation unit which calculates chromatic aberration factors based on the image data picked up from the pattern image;

a memory which stores the calculated chromatic aberration factors; and

a correction unit which corrects image data picked up from an original image based on the stored chromatic aberration factors.

12. (Previously Presented) An image pick-up device as claimed in claim 11, wherein the pattern image is formed on a chromatic aberration board.

13. (Previously Presented) An image pick-up device as claimed in claim 12, wherein the chromatic aberration board is fixed in an area near a document platen.

14. (Previously Presented) An image pick-up device as claimed in claim 11, wherein the predetermined pattern is a ladder pattern.

15. (Previously Presented) An image pick-up device as claimed in claim 11, wherein the memory is a line memory.

16. (Previously Presented) An image pick-up device as claimed in claim 11, wherein the chromatic aberration factors are stored in the memory for each color component.

17. (Currently Amended) An image pick-up device comprising:

a sensor which picks up an image through a lens;

a pattern image with a predetermined pattern, wherein said predetermined pattern ~~corresponds to a pick-up resolution~~ is a ladder pattern of vertical lines, each one of which is present for every n pixels of a sensor, wherein $1 \leq n \leq M/2$ is satisfied for n when M is the total pixel number of said sensor;

a determining unit which determines a character amount of the image data picked up from the pattern image;

a setting unit which sets chromatic aberration factors based on the character amount; and

a correction unit which corrects image data picked up from an original image by using the chromatic aberration factors set by the setting unit.

18. (Previously Presented) An image pick-up device claimed in claim 17, wherein the device further comprises a memory which stores the determined character amount and outputs the character amount to the setting unit, and the setting unit includes a table which stores the relationship between the chromatic aberration factors and the character amount.

19. (Previously Presented) An image pick-up device claimed in claim 17, wherein the device further comprises an extraction unit which extracts a changing point of the character amount, and a memory which stores the changing point and outputs the changing point to the setting unit, and the setting unit includes a table which stores the relationship between the chromatic aberration factors and the changing point.

20. (Previously Presented) An image pick-up device as claimed in claim 17, wherein the pattern image is formed on a chromatic aberration board.

21. (Previously Presented) An image pick-up device as claimed in claim 20, wherein the chromatic aberration board is fixed in an area near a document platen.

22. (Previously Presented) An image pick-up device as claimed in claim 17, wherein the predetermined pattern is a ladder pattern.

23. (Previously Presented) An image pick-up device as claimed in claim 17, wherein the chromatic aberration factors are set for each color component.

24. (Currently Amended) An image pick-up device as claimed in claim 9, wherein the number of vertical lines of the ladder pattern corresponds to a ratio of one for every n pixels in accordance with [[the]] pick-up resolution.

25. (Currently Amended) An image pick-up device as claimed in claim 14, wherein the number of vertical lines of the ladder pattern corresponds to a ratio of one for every n pixels in accordance with [[the]] pick-up resolution.

26. (Previously Presented) An image pick-up device as claimed in claim 22, wherein the number of vertical lines of the ladder pattern corresponds to a ratio of one for every n pixels in accordance with the pick-up resolution.

27. (Previously Presented) An image pick-up device as claimed in claim 9, wherein a width of the ladder pattern is equal to a width of a plurality of pixels in an auxiliary scanning direction and a length of the ladder pattern is equal to a length of an entire scanning span in a main scanning direction.

28. (Previously Presented) An image pick-up device as claimed in claim 14, wherein a width of the ladder pattern is equal to a width of a plurality of pixels in an auxiliary scanning direction and a length of the ladder pattern is equal to a length of an entire scanning span in a main scanning direction.

29. (Previously Presented) An image pick-up device as claimed in claim 22, wherein a width of the ladder pattern is equal to a width of a plurality of pixels in an auxiliary scanning direction and a length of the ladder pattern is equal to a length of an entire scanning span in a main scanning direction.